





Focus Occupation: **Welders, Cutters, Solderers, and Brazers (51-4121)**

Focus occupation: Welders, Cutters, Solderers, and Brazers 	
Employment and Growth	751/ 10.3%
Ave. Monthly Wage	\$5,729
Education/Experience	High school diploma or equivalent/Less than 1 year

Advance FROM Focus Occupation				
Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Commercial Divers (49-9092)	5	49/ 8.9%	VOC	70
Supervisors of Construction and Extraction Workers  (47-1011)	5	1,071/ 10.4%	HS/5 plus yrs	72
First-Line Supervisors of Production and Operating Workers  (51-1011)	4	790/ 2.5%	VOC/1-5 yrs	73
Plumbers, Pipefitters, and Steamfitters (47-2152)	3	1,741/ 9.2%	HS	84
Industrial Machinery Mechanics  (49-9041)	2	421/ 14.1%	HS	85
Riggers (49-9096)	2	53/ 8.2%	HS	80
Structural Iron and Steel Workers (47-2221)	2	320/ 8.1%	HS	90
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (51-2011)	1	n/a	HS	78
Reinforcing Iron and Rebar Workers (47-2171)	1	n/a	HS	80

Transfer TO and FROM Focus Occupation				
Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Layout Workers, Metal and Plastic (51-4192)	0	n/a	HS	89
Machinists (51-4041)	0	195/ 4.8%	HS	84

Advance TO Focus Occupation				
Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Engine and Other Machine Assemblers (51-2031)	-1	n/a	HS	82
Metal Workers and Plastic Workers, All Other (51-4199)	-1	n/a	HS	82
Structural Metal Fabricators and Fitters (51-2041)	-1	99/ 10.0%	HS	99
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders (51-4122)	-1	34/ 6.3%	HS	100

Fence Erectors (47-4031)	-2	66/ 8.2%	HS	71
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)	-2	141/ 11.0%	HS	75
Helpers--Production Workers (51-9198)	-3	91/ 13.8%	Any	81

Important note: A worker does not necessarily have to traverse every rung to advance to or from the focus occupation. Occupations above and below the focus occupation are directly related to the focus occupation, but they are not necessarily directly related to each other. For example, actors and athletes are both related to agents of artists, performers, and athletes, but actors and athletes are not directly related to each other.

Analysis and development of the career lattice is by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

Data sources used for research and analysis: O*NET (Occupation Information Network), Alaska Occupational Data Base (ODB), Standard Occupational Classification Manual, North American Industry Classification System manual, Bureau of Labor Statistics Occupational Employer Survey (OES) wage estimates.